

Title (en)

Support for electrophoresis containing a composition and method

Title (de)

Pfropfcopolymere, ihre Herstellung und Verwendung in der Kapillarelektrophorese

Title (fr)

Copolymères greffés, leur préparation et utilisation dans l'électrophorèse capillaire

Publication

EP 2275463 A1 20110119 (EN)

Application

EP 10009256 A 20030729

Priority

- EP 03771926 A 20030729
- US 39966202 P 20020729
- US 39966302 P 20020729

Abstract (en)

The invention relates to graft copolymers, their preparation, and compositions, such as electrophoresis separation media, containing the same; also to ultra-high molecular weight poly(NN -dimethylacrylamide) ("poly(DMA)") polymers, their preparation, and compositions, such as electrophoresis separation media, containing the same; and more particularly to supports, such as capillaries, containing these polymers and methods for separating biomolecules, especially polynucleotides, using capillary electrophoresis. The graft copolymers can be prepared by, e.g., grafting polyacrylamide units onto a poly(DMA) backbone. Separation media comprising such graft copolymers or ultra-high molecular weight poly(DMA) polymers yield superior performance in the analysis and separation of biomolecules by capillary electrophoresis.

IPC 8 full level

C08F 265/10 (2006.01); **C08F 2/32** (2006.01); **C08F 120/54** (2006.01); **C08F 220/54** (2006.01); **C08K 5/09** (2006.01); **C08K 5/42** (2006.01); **C08L 1/00** (2006.01); **C08L 33/26** (2006.01); **C08L 51/00** (2006.01); **C12Q 1/68** (2006.01); **G01N 27/447** (2006.01)

CPC (source: EP US)

C08F 2/32 (2013.01 - EP US); **C08F 120/54** (2013.01 - EP US); **C08F 120/56** (2013.01 - US); **C08F 220/54** (2013.01 - EP US); **C08F 265/10** (2013.01 - EP US); **C08F 267/10** (2013.01 - US); **C08L 33/24** (2013.01 - EP US); **C08L 33/26** (2013.01 - EP US); **C08L 51/003** (2013.01 - EP US); **C12Q 1/6806** (2013.01 - US); **G01N 27/44747** (2013.01 - EP US); **G01N 27/44791** (2013.01 - US)

C-Set (source: EP US)

1. **C08F 265/10 + C08F 220/52**
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5. **C08F 265/10 + C08F 220/56**
6. **C08L 33/24 + C08L 2666/24**

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